

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014371

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D403/12 C07D409/14 C07D401/04 C07D241/20 A61K31/4965
A61K31/497

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/24681 A (ORTHO-MCNEIL PHARMACEUTICAL, INC) 28 March 2002 (2002-03-28) cited in the application	1-9, 28-30, 34,37, 38,52
Y	see general formula, examples and pages 1,2, claim 34	1-53
P,X	WO 2004/085409 A (BIOFOCUS DISCOVERY LTD; HARRIS, JOHN; CHURCH, NICOLA; PROUD, ANDREW; K) 7 October 2004 (2004-10-07) see formula II, page 100, page 101,105,106,116,117 and claim 15 ----- -/--	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

19 April 2005

Date of mailing of the international search report

25/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 03/099796 A (CYTOPIA PTY LTD; BURNS, CHRISTOPHER, JOHN; BU, XIANYONG; WILKS, ANDREW) 4 December 2003 (2003-12-04)	1-9, 28-53
Y	see general formula, examples 2,4,6,8,10,12,14,16,18,20,22,24,28,30,32-37 and pages 10-12, claims	1-53
X	WO 02/40456 A (BIOVITRUM AB; NILSSON, BJOERN) 23 May 2002 (2002-05-23) cited in the application see general formula, examples 15 and 16	1-10
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X	US 3 928 351 A (DONALD ET AL) 23 December 1975 (1975-12-23) see example E and general formula end of column 2	10
X	WO 01/00578 A (MERCK & CO., INC; TULARIK, INC; PAYNE, LINDA, S; TRAN, LEKHANH, O; ZHU) 4 January 2001 (2001-01-04)	1,10,28, 30-32
Y	see general formula and example 9, pages 115-120	1-53
X	WO 02/079200 A (PFIZER LIMITED; BAILEY, SIMON; FISH, PAUL, VINCENT; JAMES, KIM; WHITLO) 10 October 2002 (2002-10-10) see Scheme 6, page 18 and examples 45',46'	1,10-12, 28
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X	LUMMA W C ET AL: "Piperazinylpyrazines with central serotoninmimetic activity" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 21, no. 6, 1978, pages 536-542, XP002287850 ISSN: 0022-2623 see compound 3n and 30	1,10,28
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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FOKS H ET AL: "PYRAZINE DERIVATIVES. IX. SYNTHESIS AND TUBERCULOSTATIC ACTIVITY OF 2-PYRAZINYLBENZIMIDAZOLES BADANIA NAD POCHODNYMI PIRAZYNY IX SYNTEZA I DZIALANIE TUBERKULOSTATYCZNE 2-PIRAZINYLOBENZIMIDAZOLI" ACTA POLONIAE PHARMACEUTICA, POLISH PHARMACEUTICAL SOCIETY, WARZSAW, PL, vol. 35, no. 3, 1978, pages 281-288, XP009045293 ISSN: 0001-6837 see compounds 18-27,34 -----	1,10-12, 28
X	FOKS H ET AL: "PYRAZINE DERIVATIVES. XV. SYNTHESIS AND TUBERCULOSTATIC ACTIVITY OF IMIDAZOLINOPYRAZINES AND IMIDAZOLINOPYRIDINES" ACTA POLONIAE PHARMACEUTICA, POLISH PHARMACEUTICAL SOCIETY, WARZSAW, PL, vol. 39, no. 1-3, 1982, pages 79-82, XP009045294 ISSN: 0001-6837 see compounds V-VI -----	1,10,11, 28

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